

1                                   **ABSTRACT OF THE DISCLOSURE**

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3           An active headset system is provided with compatibility with existing socket

4 configurations in a way that minimizes the number of electrical connections. The

5 number of connections between the active headset and the remote noise cancellation

6 circuitry is reduced through the use of a common contact, having a controlled

7 impedance, that serves as an input connection to corresponding terminals of the two

8 earphones of the active headset. According to another aspect of the present invention,

9 the transients associated with plugging in or unplugging stereo jack plugs or up to a

10 seven pin connector into an active headset may be overcome by a transient detector in

11 the noise cancellation circuitry. Yet another aspect of the present invention concerns

12 the powering of the noise cancellation circuitry whether the noise cancellation circuitry is

13 placed inside the active headset or at least partially internal to a remote external device.

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